

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8	(("5502560") or ("5610708") or ("5307105") or ("5420680") or ("4590574") or ("4514582") or ("3985447") or ("3973994")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/24 19:20
S2	41	"3985447".URPN.	USPAT	OR	ON	2003/09/24 19:09
S3	262	356/128.ccls.	US-PGPUB; USPAT	OR	ON	2003/09/24 19:20
S4	175	356/128.ccls. and ((determin\$5 or measur\$5) with (refract\$4 near ind\$3))	US-PGPUB; USPAT	OR	ON	2003/09/24 19:22
S5	35	(356/128.ccls. and ((determin\$5 or measur\$5) with (refract\$4 near ind\$3))) and (thin adj1 film)	US-PGPUB; USPAT	OR	ON	2003/09/24 19:30
S6	41	((thin adj1 film) with ((rough\$4 or groov\$2 or irregular or uneven or bumpy or choppy or nonuniform) near2 (surface or side))) and "356"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2003/09/24 19:33
S7	1	"6392756".URPN.	USPAT	OR	ON	2003/09/24 19:55
S8	30	("3601492"   "3892490"   "4355903"   "4555767"   "4676647"   "4707611"   "4885709"   "4899055"   "4905170"   "4984894"   "4999509"   "5042949"   "5101111"   "5241366"   "5311284"   "5337150"   "5365340"   "5371596"   "5396080"   "5457534"   "5471303"   "5486701"   "5493401"   "5523840"   "5555472"   "5604581"   "5747813"   "5784167"   "5883720"   "5999267").PN.	USPAT	OR	ON	2003/09/24 19:57
S9	17	"4514582".URPN.	USPAT	OR	ON	2003/09/24 20:02
S10	0	"356"/\$.ccls. and ((fluid with substrate) same ((rough\$4 or groov\$2 or irregular or uneven or bumpy or choppy or nonuniform) near2 (surface or side)))	US-PGPUB; USPAT	OR	ON	2003/09/24 20:06
S11	244	(fluid with substrate) same ((rough\$4 or groov\$2 or irregular or uneven or bumpy or choppy or nonuniform) near2 (surface or side))	US-PGPUB; USPAT	OR	ON	2003/09/24 20:07

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S12	13	((fluid with substrate) same ((rough\$4 or groov\$2 or irregular or uneven or bumpy or choppy or nonuniform) near2 (surface or side))) and (ellipsometry or spectroscopy or polarimetry or ellipsometer or polarimeter)	US-PGPUB; USPAT	OR	ON	2003/09/24 20:09
S13	17	"4514582".URPN.	USPAT	OR	ON	2003/09/25 12:54
S14	1725	(thin adj1 film) with ((rough\$4 or groov\$2 or irregular or uneven or bumpy or choppy or nonuniform) near2 (surface or side))	US-PGPUB; USPAT	OR	ON	2003/09/25 14:13
S15	183	((thin adj1 film) with ((rough\$4 or groov\$2 or irregular or uneven or bumpy or choppy or nonuniform) near2 (surface or side))) and (ellipsometry or spectroscopy or polarimetry or ellipsometer or polarimeter)	US-PGPUB; USPAT	OR	ON	2003/09/25 15:33
S16	0	"6486046".URPN.	USPAT	OR	ON	2003/09/25 13:27
S17	2	("5346850"   "5456763").PN.	USPAT	OR	ON	2003/09/25 13:31
S18	1008	(substrate with ((rough\$4 or groov\$2 or irregular or uneven or bumpy or choppy or nonuniform) near2 (surface or side))) same (thin adj1 film)	US-PGPUB; USPAT	OR	ON	2003/09/25 14:13
S19	43924	"356"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2003/09/25 15:27
S20	23	((substrate with ((rough\$4 or groov\$2 or irregular or uneven or bumpy or choppy or nonuniform) near2 (surface or side))) same (thin adj1 film)) and "356"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2003/09/25 15:27
S21	1	("4407695").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/25 15:27
S22	33	356/134.cccls.	US-PGPUB; USPAT	OR	ON	2003/09/25 15:30
S23	77	356/135.cccls.	US-PGPUB; USPAT	OR	ON	2003/09/25 15:33
S24	291	356/630.cccls.	US-PGPUB; USPAT	OR	ON	2003/09/25 15:33
S25	83	356/630.cccls. and (ellipsometry or spectroscopy or polarimetry or ellipsometer or polarimeter)	US-PGPUB; USPAT	OR	ON	2003/09/25 15:33

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S26	18	((ellipsometer or ellipsometry) with (thin adj1 film) with (refract\$4 near1 ind\$3)) and 356/369.ccls.	US-PGPUB; USPAT	OR	ON	2003/12/19 15:15
S27	73	(ellipsometer or ellipsometry) with (thin adj1 film) with (refract\$4 near1 ind\$3)	US-PGPUB; USPAT	OR	ON	2003/12/19 15:21
S28	4	(((ellipsometer or ellipsometry) with (thin adj1 film) with (refract\$4 near1 ind\$3)) and 356/369.ccls.) and liquid	US-PGPUB; USPAT	OR	ON	2003/12/19 15:15
S29	64	(ellipsometer or ellipsometry) and (liquid same rough\$4) and (thin adj film)	US-PGPUB; USPAT	OR	ON	2003/12/19 16:06
S30	1	10/407578	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 00:27
S31	14	("20020003665"   "20030025899"   "3973994"   "3985447"   "4514582"   "4590574"   "4683160"   "5107105"   "5420680"   "5502560"   "5610708"   "5910842"   "6392756"   "6444898").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/02 00:41
S32	2	09/865153	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/02 00:41
S33	9	("4747922"   "4987007"   "5377045"   "5529671"   "5725413"   "5748350"   "6205270"   "6233261"   "6545809").PN. OR ("6930835").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/02 01:18
S34	85627	surface adj roughness	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:55
S35	227746	refract\$6 near2 ind\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:55

## EAST Search History

S36	8274	S35 near (liquid fluid gas)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 01:20
S37	29699	S35 with (liquid fluid gas)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 01:43
S38	873	S37 and S34	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 01:30
S39	8110	ellipsom\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 01:30
S40	76	S38 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 01:32
S41	32813	(measur\$4 inspect\$4 calcul\$4 determin\$4) with S35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:00
S42	3332	S41 with (liquid fluid gas)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:00
S43	73	S42 and S34	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 01:44
S44	4	S43 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 01:44
S45	17491	(measur\$4 inspect\$4 calcul\$4 determin\$4) near3 S35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:00

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S46	1142	S45 near3 (liquid fluid gas)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:00
S47	40	S46 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:03
S48	568	S45 with thin adj (film layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:13
S49	192	S48 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:04
S50	10	S46 with thin adj (film layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:04
S51	3	S50 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:12
S52	611809	viscosity	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:12
S53	59	S52 and S34 and S35 and S39 and (thin adj (film layer)) and (liquid fluid gas)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:14
S54	9436	(refract\$6 near2 ind\$4) adj2 (liquid fluid gas)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:55
S55	153870	surface near rough\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:56

## EAST Search History

S56	433	S54 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:56
S57	20	S56 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:05
S58	1301	fluid near3 adher\$4 near3 (surface layer film)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:37
S59	9	S54 and S58	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:32
S60	2	"3973994".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:32
S61	32884	(fluid liquid gas) near3 (deposit\$4 adher\$4) near3 (surface layer film)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:38
S62	0	S45 adj4 S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:39
S63	1	S45 with S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:40
S64	13	S45 same S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:41

## EAST Search History

S65	28	("20020003665" "20030025899" "3973994" "3985447" "4514582" "4590574" "4683160" "5107105" "5420680" "5502560" "5610708" "5910842" "6392756" "6444898"). PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:42
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